APPLIED MATHEMATICS AND COMPUTATION

VOLUME 72

HAN GUOQIANG AND ZHANG LIQING
Asymptotic Error Expansion of a Collocation-Type Method for Hammerstein Equations 1

GEORGE M. ANGLETON AND CHARLES D. BONHAM
Least Squares Regression vs. Geometric Mean Regression for Ecotoxicology Studies 21

J. A. PARDO
Some Applications of the Useful Mutual Information 33

D. J. HARTFIEL
Indeterminate Markov Systems 51

CHING LUNG CHANG
Piecewise Linear Approach to the Stokes Equations in 3-D 61

MICHAEL K. NG, FU-RONG LIN, AND RAYMOND H. CHAN
Construction of Preconditioners for Weiner-Hopf Equations by Operator Splitting 77

RAVI P. AGARWAL AND PETER Y. H. PANG
Sharp Discrete Inequalities in n Independent Variables 97

G. CROMBEZ
A Parallel Projection Method Based on Sequential Most Remote Set in Convex Feasibility Problems 113

JONQ JUANG AND PAUL NELSON
Convergence Rates of Iterative Solutions of Algebraic Matrix Riccati Equations 125

JOHN P. BOYD
A Lag-Averaged Generalization of Euler's Method for Accelerating Series 143

M. KAYE AND D. REUSTER
Subdomain Basis Functions from Entire Domain Basis Functions for a Certain Class of Problems 167

ABDUL-MAJID WAZWAZ
A New Approach to the Nonlinear Advection Problem: An Application of the Decomposition Method 175

(Continued)

J. L. Morera, G. Rubio, and L. Jódar
Accurate Numerical Integration of Stiff Differential Riccati Equations 183

R. A. Ford and M. H. Hamdan
Analysis of the Polar Form of the von Mises Transformation 205

G. Hossein Behforooz
A Comparison of the $E(3)$ and Not-A-Knot Cubic Splines 219

S. F. Masri, G. A. Bekey, T. K. Caughey, and E. van de Velde
Adaptive Stochastic Optimization Using Multiprocessors 225

Giovanni Fiorito
On Properties of Periodically Monotone Sequences 259

B. G. Zhang
Sturm Comparison Theorem of Difference Equations 277

J. H. De Klerk, D. Eyre, and L. M. Venter
L_p-Approximation Method for the Numerical Solution of Singular Integral Equations 285

Volume Contents